


# Lucy E Delaney

Graduate Student in Biological Sciences  
University of Illinois at Chicago

## INTERESTS

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Conceptual understanding of evolutionary principles, evolution-centered teaching, educational & racial equity,  for undergraduate education, macroevolution, the evolution of plant breeding systems








## EDUCATION

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<b>Ph.D candidate, Ecology &amp; Evolutionary Biology</b> University of Illinois at Chicago Dissertation: <i>The Nature of Adaptation and the Epistemology of Natural Selection</i>	Expected 2022 Chicago, IL
<b>M.A., Molecular &amp; Cellular Biology</b> Hunter College of the City University of New York	January 2016 New York, NY
<b>B.S., Forensic Molecular Biology, Philosophy</b> John Jay College of the City University of New York	May 2012 New York, NY



## SKILLS


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 R programming	 L <sup>A</sup> T <sub>E</sub> X and B <sub>B</sub> T <sub>E</sub> X	 Adobe Illustrator
 Technician Radio License	 HTML & CSS	 Microsoft Office Suite
	 Markdown	


## UNIVERSITY TEACHING

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**BIOS 220** Mendelian and Molecular Genetics Fall 2019–Summer 2020  
Sophomore-level course focusing on Mendelian inheritance patterns and molecular mechanisms of inheritance. Helped managed transition from in-person to online delivery. Responsible for teaching discussion section, creating digital course materials & exams, grading, drop-in hours, and Blackboard administration.  

**BIOS 331** General Ecology Laboratory Summer 2019  
Application of ecological and evolutionary concepts with hands-on experiments and field trips to local natural areas. Responsible for weekly laboratory instruction, drop-in hours, and grading. 



**BIOS 230** Ecology and Evolution Spring 2019  
Sophomore-level course with emphasis on basic ecological systems, ecosystem dynamics, and evolutionary principles. Responsible for weekly office hours, assignment creation, and grading.

**BIOS 430** Evolution Fall 2017–Fall 2018  
Upper-division, programming-focused course on evolutionary theory and principles. Responsible for weekly drop-in hours & debugging, quiz materials, and grading of  programming assignments.

**BIOS 120** Biology of Populations and Communities 2016–2017  
Introductory biology laboratory course with emphasis on ecological and evolutionary principles. Responsible for twice-weekly laboratory instruction, drop-in hours, and grading.

## COMMUNITY TEACHING

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**Course Builder & Trainer** UIC Biological Sciences Department 2020–Present  
Trained in online instructional design & pedagogy, and software relevant to online teaching & learning. Assisting Biological Sciences Department faculty members in transitioning their courses online, and managing technical aspects of courses throughout online delivery. Creator and maintainer of the UIC Course Builder Website.  

**Tutor** Nurturing Wisdom Tutoring 2018–2020  
Highly-rated individual tutoring for grades 7-12 in test preparation (SAT and high school entrance exams), science, mathematics, and writing.

**Substitute Teacher** Chicago-area Charter Schools 2015-2016  
Substitute teacher for elementary, middle, and high school classes.

## TEACHING HONORS AND AWARDS


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-  **2020** Nominated for the UIC Graduate Student Excellence in Teaching and Mentoring Award
-  **2020** Recipient of the Biological Sciences Department Graduate Teaching Award for BIOS 220
-  **2018** Recipient of the Biological Sciences Department Graduate Teaching Award for BIOS 430

## PAST AND UPCOMING PRESENTATIONS

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### *Flowering Plant Breeding Systems*

**July 2018** Annual Meeting of the Botanical Society of America | Poster  
Delaney, Lucy E, Ramanauskas, K., & Igić, B., Breeding Systems in the Legumes.   
*Rochester, MN*

**August 2017** microMORPH Summer Course | Talk  
Delaney, Lucy E, Evolutionary Consequences of Plant Mating Systems.   
*Arnold Arboretum, Harvard*

### *Evolution Education Research*

**March 2021 (*upcoming*)** Midwest Ecology and Evolution Conference | Talk  
Delaney, Lucy E, The Four Causes of Adaptation.  
*Online*

**January 2021** Society for the Advancement of Biology Education Research West | Talk  
Delaney, Lucy E, The Four Causes of Adaptation.    
*Online*

## PUBLICATIONS

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**Delaney, Lucy E.** (2012). Nietzsche, nerve stimulation-image connection, and ontology. *John Jay's Finest*, 27, 99–103.












### *In preparation*

**Delaney, Lucy E**, Ramanauskas, K., & Igić, B. (2021a). Breeding systems in the legumes: What do we know?

**Delaney, Lucy E**, Ramanauskas, K., & Igić, B. (2021b). Breeding systems in the orchids.

## OTHER AWARDS AND TRAINING

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-  **2020** Participant in the 2020 Chicago R Collaborative Conference 
-  **2018** Recipient of the Biological Sciences Department Travel Award
-  **2018** Reviewer for International Journal of Botany, Oxford Bibliographies
-  **2017** Accepted to NSF-funded workshop on Bayesian Analysis of Macroevoolutionary Mixtures 
-  **2017** Recipient of the Biological Sciences Department Travel Award
-  **2017** Accepted to microMORPH Plant Anatomy Summer Course at Harvard University 
-  **2016** General horticulture volunteer at Garfield Park Conservatory 

## PROFESSIONAL EXPERIENCE

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**Forensic Molecular Biologist** at NYC Office of Chief Medical Examiner 2012–2015  
Examined evidence for the presence of biological fluids, performed serological & DNA analysis techniques, analyzed data & performed statistical analyses, wrote reports, and provided expert scientific testimony in court.

**Health Research Intern** at NYC Department of Health 2011-2012  
Accepted to the Health Research Training Program for a year-long internship with the Bureau of Environmental Disease Prevention. Received training in disease epidemiology, emergency preparedness & response, public health and outreach programs in environmental disease control & prevention, and emerging viral infections.

**Field Manager & Administrative Assistant** at Working Families Party 2008-2011  
Responsible for payroll, managing employees' healthcare coverage, bank deposits, and data entry. Organized informational events for the public, and served as Field Manager for multiple election and fundraising campaigns.